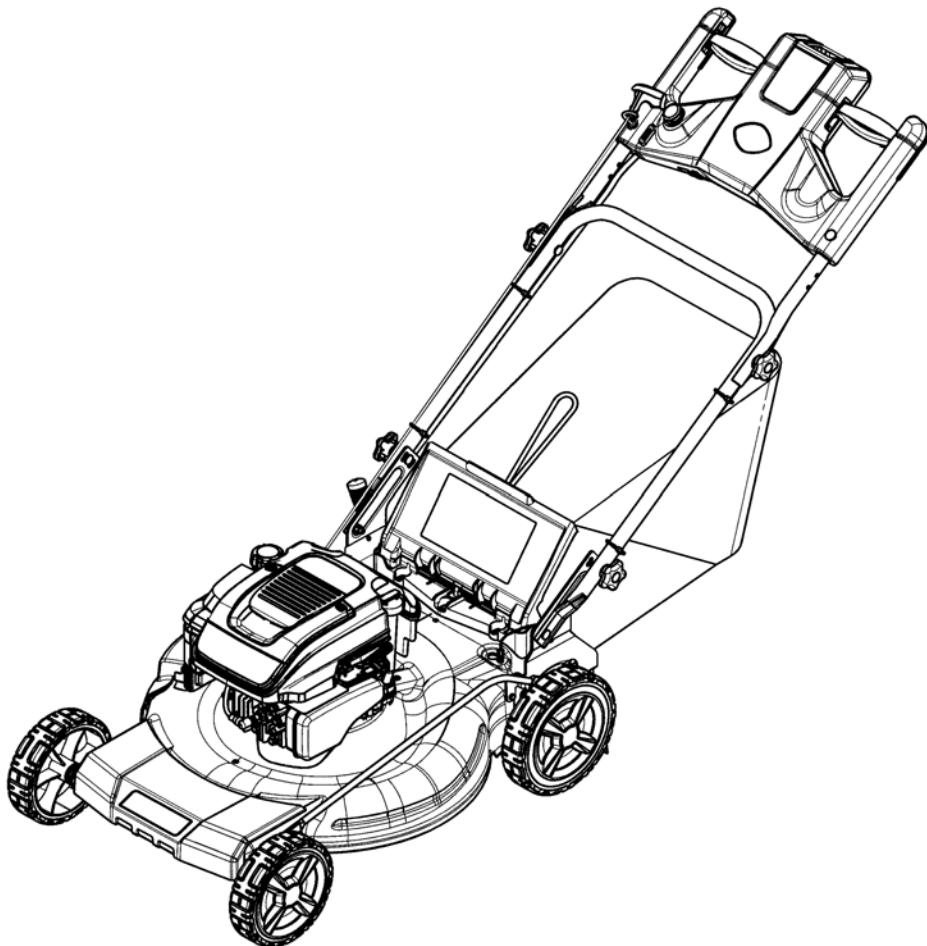


Parts Manual for

SNAPPER®

22" SELF-PROPELLED ELECTRIC START MOWER NXT SERIES

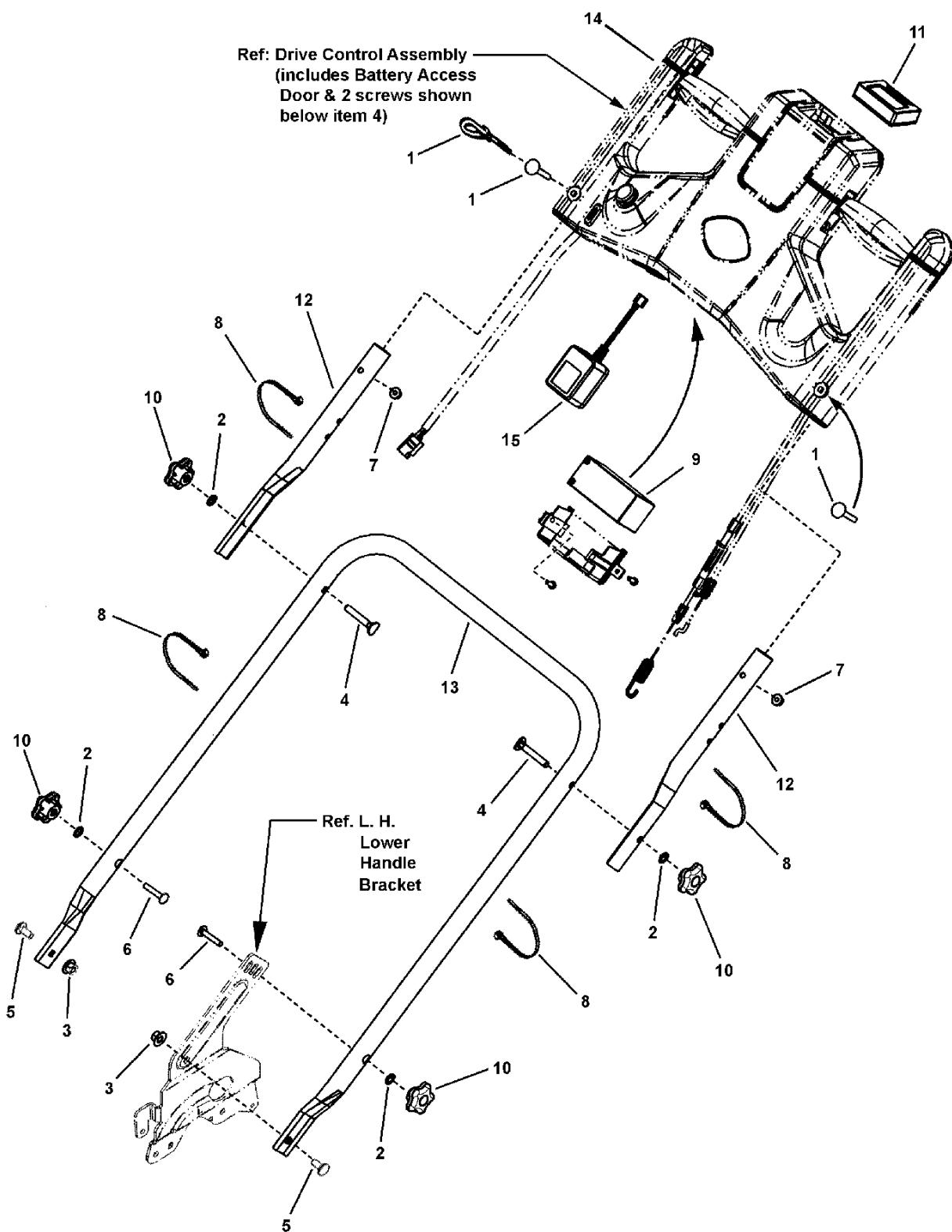
| <i>Model No.</i> | <i>Description</i> |
|------------------|--------------------|
| 7800722 | ENXT22875E |
| 7800580 | NXT22875E |
| 7800752 | NXT22875EE |
| 7800696 | NXT22875EFC |
| 7800782 | NXT22875EEFC |



Not for
Reproduction

| PAGE | GROUP |
|-------------|--|
| 4 | Handle & Controls Group (MY 2010 & Euro) |
| 6 | Drive Control Assembly (MY 2010 & Euro) |
| 8 | Handle & Controls Group, EHOC (MY 2011) |
| 10 | Drive Control Assembly, EHOC (MY 2011) |
| 12 | Mower Deck Group |
| 14 | Wheels Group |
| 16 | Engine, Blade & Grass Bag Group |
| 18 | Transmission Group |
| 20 | Decals |

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Reproduction

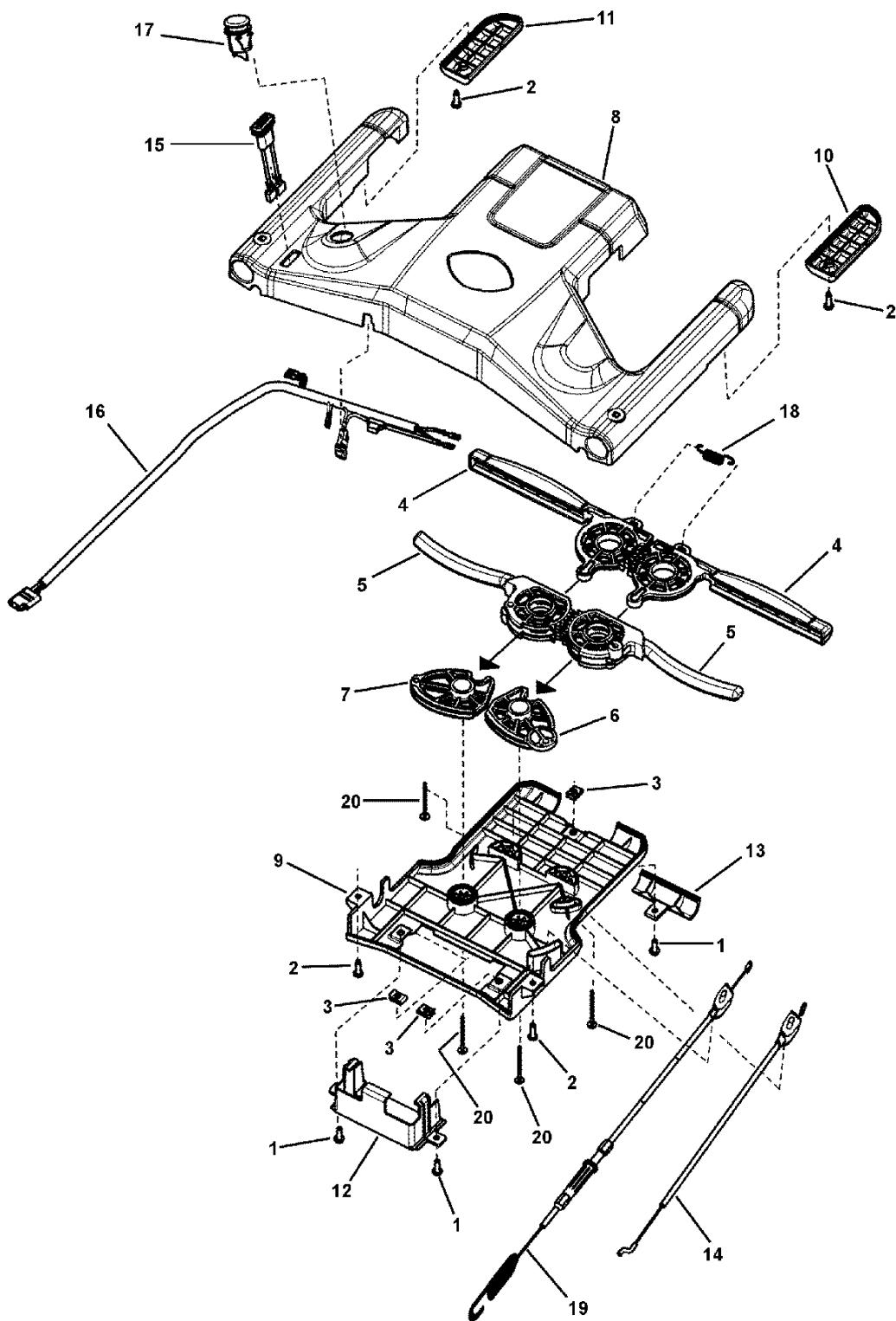


| Item | Part No | Qty | Description |
|-------------|----------------|------------|--|
| 1 | 7090015 | 2 | BOLT, 1/4-20 x 1-3/4" Round Head Square Neck, GR 2, YZ |
| 1 | 7101410 | 1 | GUIDE, Rope, 1/4-20 x 1.8" (Euro Model 7800722) |
| 2 | 7090391 | 4 | WASHER, 5/16" Internal Tooth Lock |
| 3 | 7090951 | 2 | NUT, 5/16-18 Large Flange Center Lock |
| 4 | 7091189 | 2 | BOLT, 5/16-18 x 2" Curved Head Square Neck, GR 2 |
| 5 | 723873 | 2 | BOLT, 5/16-18 x 3/4" Round Head Short Square Neck, GR 5, YZ (Was 1931333) |
| 6 | 1931338 | 2 | BOLT, 5/16-18 x 1-3/4" Round Head Square Neck Carriage |
| 7 | 2860694 | 2 | NUT, 1/4-20 Hex Flange (Esna), YZ |
| 8 | 7024649 | 4 | WIRE TIE, 11 Inch Standard Black Nylon |
| 9 | 7102931 | 1 | BATTERY, 1.3A/Hr |
| 10 | 7102990 | 4 | KNOB, Handle, 5-Prong (5/16-18 internal threads) |
| 11 | 7103774 | 1 | METER, Service Indicator |
| 12 | 7300649 | 1 | HANDLE, Connecting, 21"/22" WBM (Euro Model 7800722) |
| 12 | 7300649BH | 2 | HANDLE, Connecting, 21"/22" WBM (used on all except Euro Model 7800722) |
| 13 | 7301189 | 1 | HANDLE, Lower, WBM, RD (Euro Model 7800722) |
| 13 | 7301189BH | 1 | HANDLE, Lower, WBM, RD (used on all except Euro Model 7800722) |
| 14 | 7501300 | 1 | ASSEMBLY, Drive Control (MY 2010) |
| 15 | 7103988 | 1 | CHARGER, Battery, 120V AC, Output 14V DC, 260mA |
| 15 | 7103119 | 1 | CHARGER, Battery, 230V AC, 50 Hz, Output 12V DC, 750mA (Euro) (Euro Model 7800722) |

Footnotes:

Model pt. #'s: 7800580, 7800696 & 7800722

Drive Control Assembly (MY 2010 & Euro)



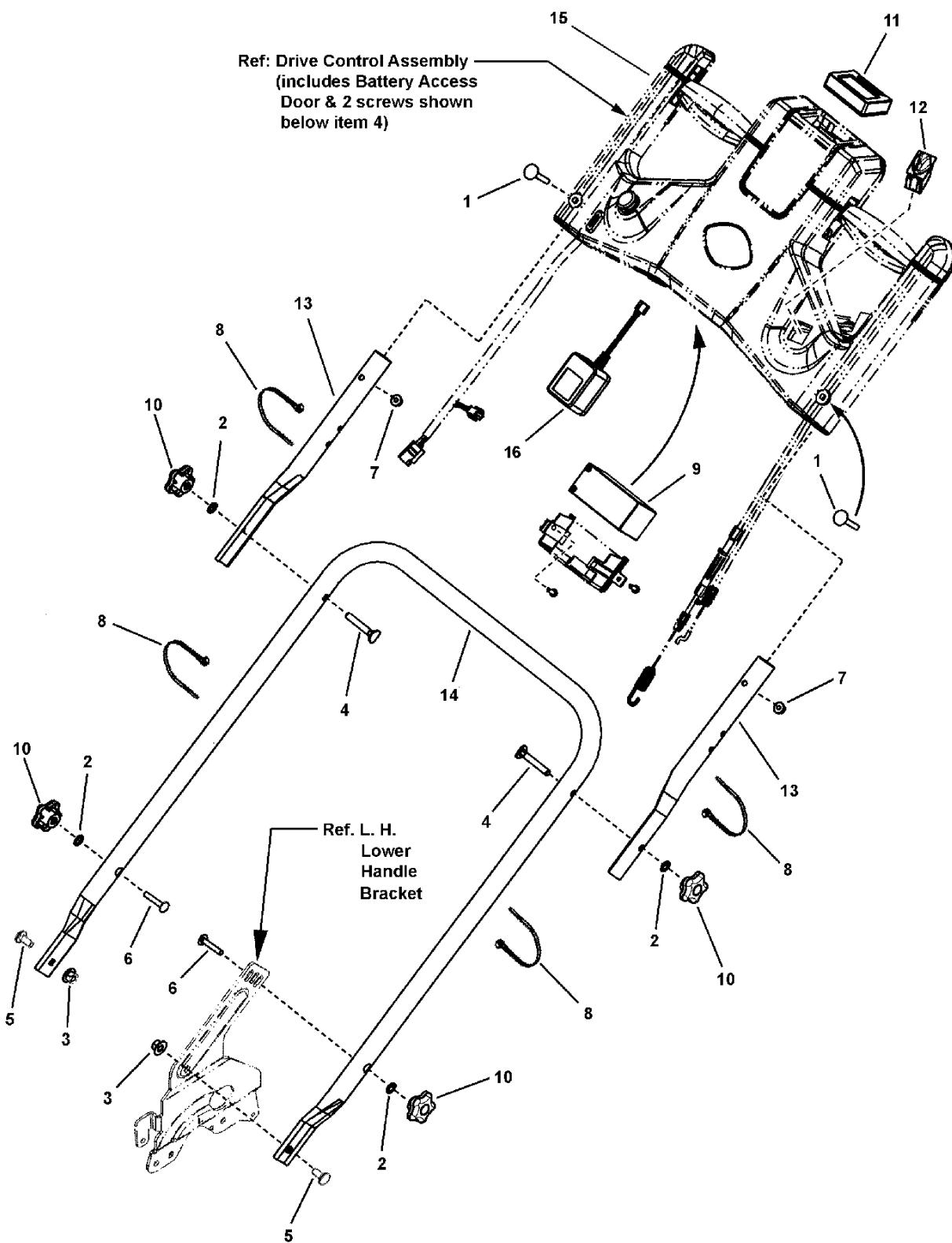
Drive Control Assembly (MY 2010 & Euro)

| Item | Part No | Qty | Description |
|-------------|----------------|------------|---|
| 1 | 7091075 | 3 | SCREW, #10-24 x 5/8" Hex Washer Self-Tap, GR 5 BZ |
| 2 | 7091195 | 4 | SCREW, #10-16 x 3/4" Pan Head Self-Tap Combo, BZ |
| 3 | 1960593 | 3 | NUT, #10-24 Speed Retainer w/extrusion |
| 4 | 7102803 | 2 | LEVER, Drive Control |
| 5 | 7102804 | 2 | LEVER, OPC, Control |
| 6 | 7102805 | 1 | CAM, Drive, LH |
| 7 | 7102806 | 1 | CAM, Drive, RH |
| 8 | 7103324 | 1 | CONTROL PANEL, Top, MY Mower |
| 9 | 7103325 | 1 | CONTROL PANEL, Bottom, MY Mower |
| 10 | 7103326 | 1 | PANEL, Bottom Control, WBM, RH |
| 11 | 7103327 | 1 | PANEL, Bottom Control, WBM, LH |
| 12 | 7103345 | 1 | ACCESS DOOR, Battery Control Panel, WBM |
| 13 | 7103456 | 1 | PANEL, Access, Maintenance Reminder |
| 14 | 7103769 | 1 | CABLE, OPC, NXT |
| 15 | 7103930 | 1 | HOUSING, Bridge Disconnect |
| -- | 7103931 | 1 | KEY, Bridge Disconnect (Not Shown) |
| 16 | 7103932 | 1 | HARNESS, Electric Start, NXT |
| 17 | 7104001 | 1 | SWITCH, Push Button Start |
| 18 | 7104689 | 1 | SPRING, Tension, Drive Control |
| 19 | 7105092 | 1 | CABLE, Control, NXT (Was 7103770) |
| 20 | 7900081 | 4 | SCREW, #10-16 x 2" Hi-Lo Cross Pan Head |

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Footnotes:

Model pt. #'s: 7800580, 7800696 & 7800722

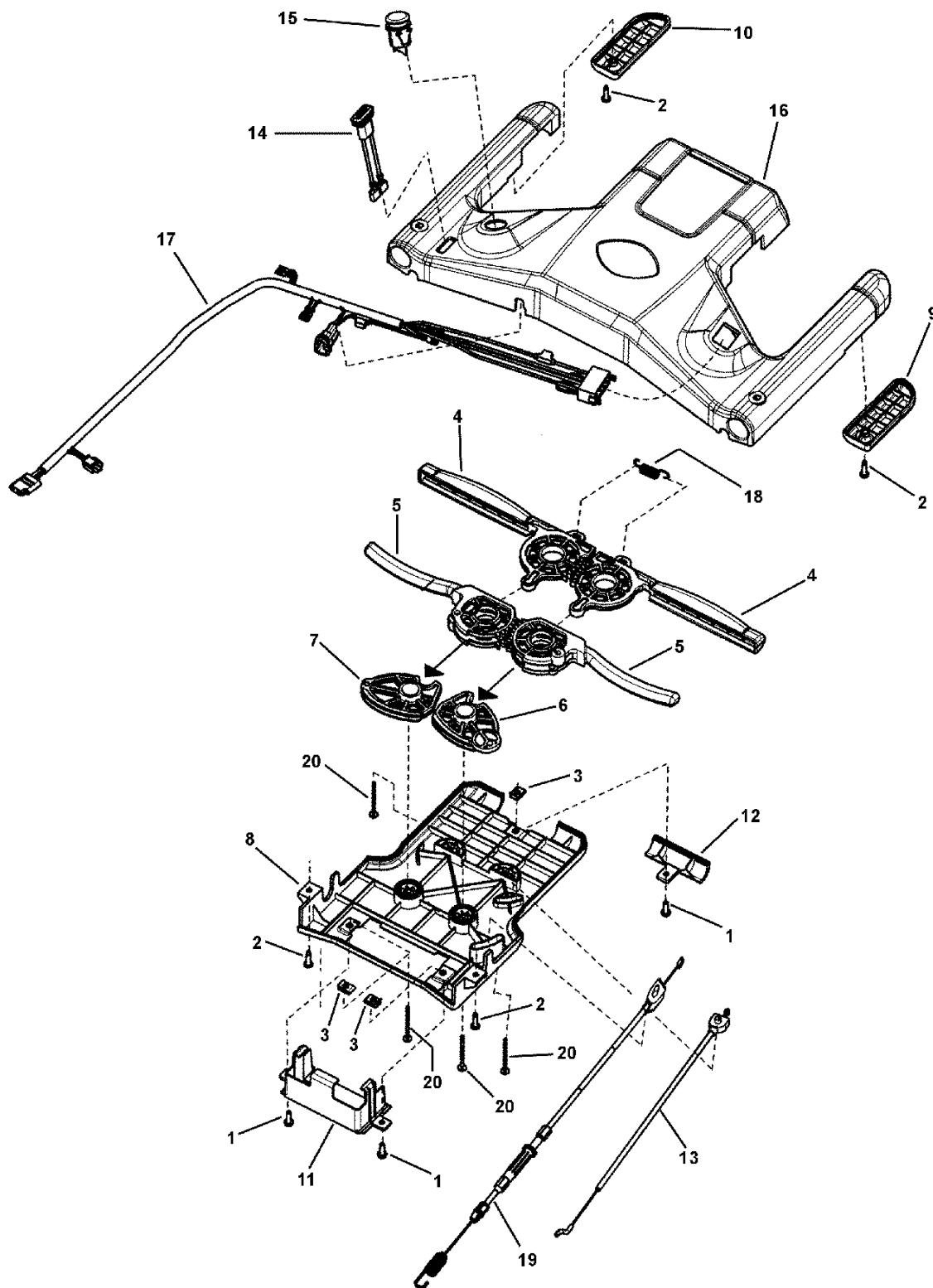


| Item | Part No | Qty | Description |
|-------------|----------------|------------|---|
| 1 | 7090015 | 2 | BOLT, 1/4-20 x 1-3/4" Round Head Square Neck, GR 2, YZ |
| 2 | 7090391 | 4 | WASHER, 5/16" Internal Tooth Lock |
| 3 | 7090951 | 2 | NUT, 5/16-18 Large Flange Center Lock |
| 4 | 7091189 | 2 | BOLT, 5/16-18 x 2" Curved Head Square Neck, GR 2 |
| 5 | 723873 | 2 | BOLT, 5/16-18 x 3/4" Round Head Short Square Neck, GR 5, YZ (Was 1931333) |
| 6 | 1931338 | 2 | BOLT, 5/16-18 x 1-3/4" Round Head Square Neck Carriage |
| 7 | 2860694 | 2 | NUT, 1/4-20 Hex Flange (Esna), YZ |
| 8 | 7024649 | 4 | WIRE TIE, 11 Inch Standard Black Nylon |
| 9 | 7102931 | 1 | BATTERY, 1.3A/Hr |
| 10 | 7102990 | 4 | KNOB, Handle, 5-Prong (5/16-18 internal threads) |
| 11 | 7103774 | 1 | METER, Service Indicator |
| 12 | 7104598 | 1 | SWITCH, Rotary, EHOC |
| 13 | 7300649BH | 2 | HANDLE, Connecting, 21"/22" WBM |
| 14 | 7301189BH | 1 | HANDLE, Lower, WBM, RD |
| 15 | 7502154 | 1 | ASSEMBLY, Drive Control, EHOC, (MY2011) Walk |
| 16 | 7103988 | 1 | CHARGER, Battery, 120V AC, Output 14V DC, 260mA |

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Reproduction

Footnotes:

Model pt. #'s: 7800752 & 7800820

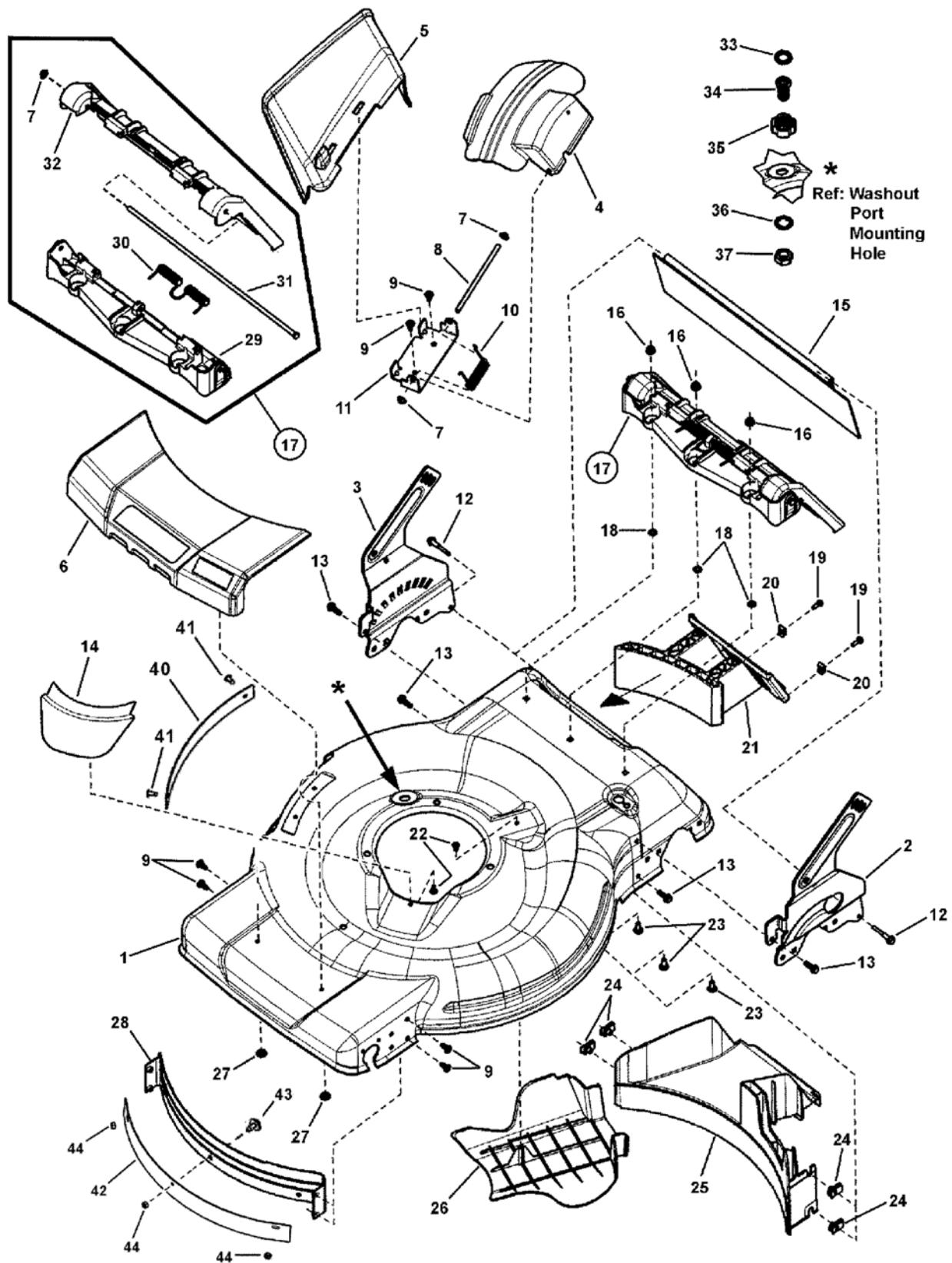


| Item | Part No | Qty | Description |
|-------------|----------------|------------|---|
| 1 | 7091075 | 3 | SCREW, #10-24 x 5/8" Hex Washer Self-Tap, GR 5 BZ |
| 2 | 7091195 | 4 | SCREW, #10-16 x 3/4" Pan Head Self-Tap Combo, BZ |
| 3 | 1960593 | 3 | NUT, #10-24 Speed Retainer w/extrusion |
| 4 | 7102803 | 2 | LEVER, Drive Control |
| 5 | 7102804 | 2 | LEVER, OPC, Control |
| 6 | 7102805 | 1 | CAM, Drive, LH |
| 7 | 7102806 | 1 | CAM, Drive, RH |
| 8 | 7103325 | 1 | CONTROL PANEL, Bottom, MY Mower |
| 9 | 7103326 | 1 | PANEL, Bottom Control, WBM, RH |
| 10 | 7103327 | 1 | PANEL, Bottom Control, WBM, LH |
| 11 | 7103345 | 1 | ACCESS DOOR, Battery Control Panel, WBM |
| 12 | 7103456 | 1 | PANEL, Access, Maintenance Reminder |
| 13 | 7103769 | 1 | CABLE, OPC, NXT |
| 14 | 7103930 | 1 | HOUSING, Bridge Disconnect |
| -- | 7103931 | 1 | KEY, Bridge Disconnect (Not Shown) |
| 15 | 7104001 | 1 | SWITCH, Push Button Start |
| 16 | 7104519 | 1 | CONTROL PANEL, Top |
| 17 | 7104523 | 1 | HARNESS, Electric Start, NXT, w/E-HOC |
| 18 | 7104689 | 1 | SPRING, Tension, Drive Control |
| 19 | 7105092 | 1 | CABLE, Control, NXT (Was 7103770) |
| 20 | 7900081 | 4 | SCREW, #10-16 x 2" Hi-Lo Cross Pan Head |

Footnotes:

Model pt. #'s: 7800752 & 7800782

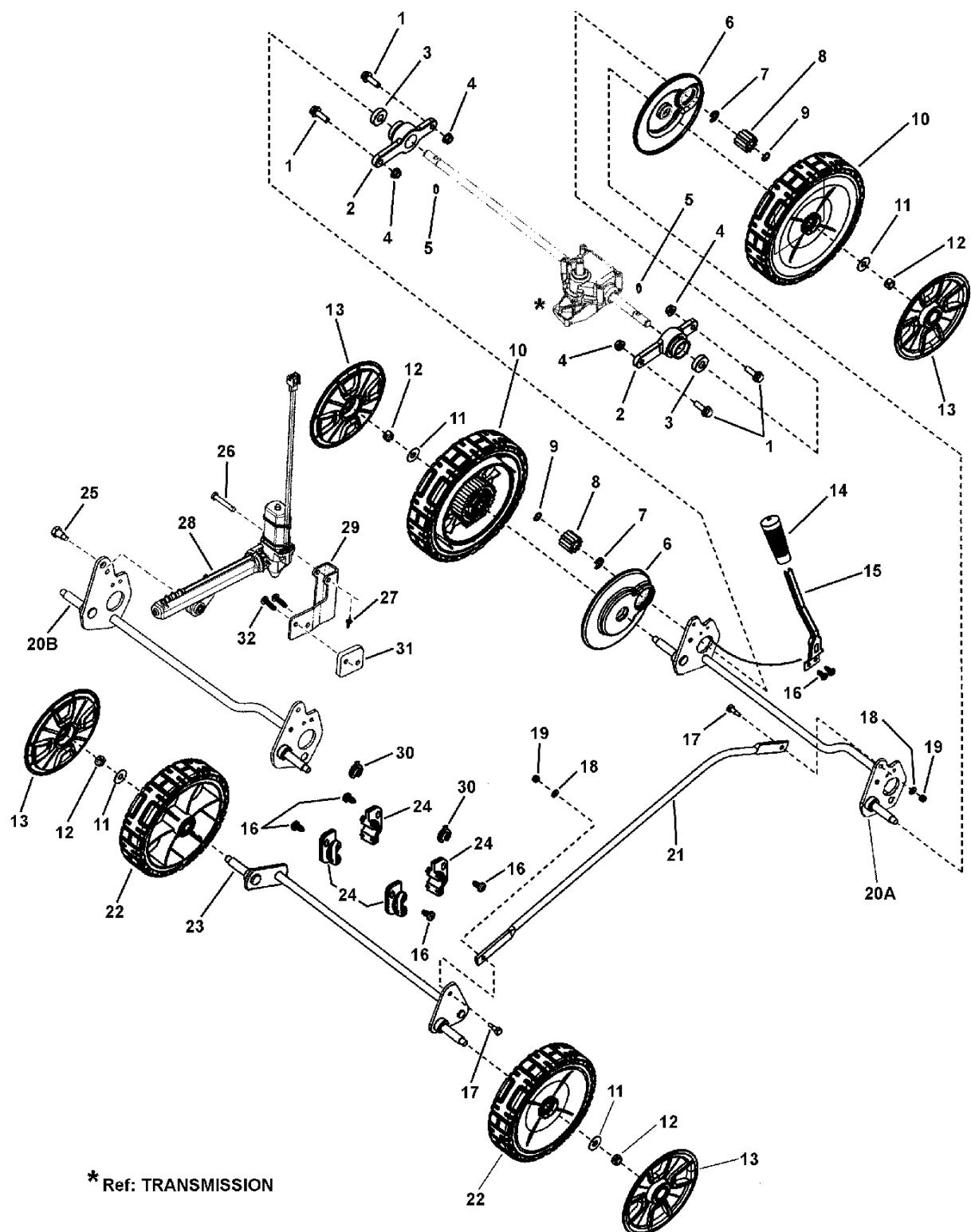
Mower Deck Group



| Item | Part No | Qty | Description |
|-------------|----------------|------------|--|
| 1 | 7600155D | 1 | DECK, 22", Rear Wheel Drive, Washout (Was 7301112D) |
| 2 | 7300885BH | 1 | BRACKET, Lower Handle, LH, 22 WBM |
| 3 | 7300915BH | 1 | BRACKET, Lower Handle, RH, 22 WBM (used on 7800580 & 7800696 models) |
| 3 | 7301141BH | 1 | BRACKET, Lower Handle, Elec HOC, RH (used on 7800752 & 7800782 models) |
| 4 | 7103298 | 1 | COVER, Mulching |
| 5 | 7103299 | 1 | CHUTE, Side Discharge, 22" WBM |
| 6 | 7103295 | 1 | COVER, Front, Push/Rear Wheel Drive |
| 7 | 7091020 | 3 | PUSHNUT, 1/4" |
| 8 | 7101067 | 1 | ROD, Pivot |
| 9 | 7900067 | 6 | SCREW, 1/4-20 x .550 Self-Tap (Torx) |
| 10 | 722507 | 1 | SPRING, Torsion, Chute |
| 11 | 7300855BM | 1 | BRACKET, Chute |
| 12 | 7900073 | 2 | BOLT, 1/4-20 x 1-1/2" Shoulder |
| 13 | 7090699 | 4 | BOLT, 1/4-20 x 3/4" Hex Flange Lock, GR 5 |
| 14 | 7103296 | 1 | DEBRIS SHIELD, Front |
| 15 | 7103323 | 1 | GUARD, Rear 22" |
| 16 | 722398 | 3 | NUT, 1/4-20 Hex Flange Lock |
| 17 | 7501541 | 1 | ASSEMBLY, Door, 22" WBM |
| 18 | 1960518 | 3 | BOLT RETAINER, 1/4" |
| 19 | 7091075 | 2 | SCREW, #10-24 x 5/8" Hex Washer Face Self-Tap, GR 5 |
| 20 | 1960593 | 2 | NUT, #10-24 Retainer Speed w/extrusion |
| 21 | 7103453 | 1 | PLUG, Mulching, 22" Deck |
| 22 | 7900018 | 2 | SCREW, Round Washer Head Torx, Hi-Lo |
| 23 | 7090803 | 3 | BOLT, 1/4-20 x 5/8" Flat Head Square Neck, GR 5 |
| 24 | 7023295 | 4 | U-NUT, 1/4-20 |
| 25 | 7103293 | 1 | BAFFLE, Rear, Rear Wheel Drive WBM |
| 26 | 7104819 | 1 | BELT COVER, Rear Drive (Was 7103294) |
| 27 | 7900079 | 2 | NUT, 3/16" Push |
| 28 | 7301020 | 1 | BAFFLE, Front |
| 29 | 7103292 | 1 | HINGE, Rear Discharge Door |
| 30 | 7103309 | 1 | SPRING, Torsion, Rear Door |
| 31 | 7103322 | 1 | ROD, Pivot, Rear Door |
| 32 | 7501541 | 1 | DOOR, Rear Discharge (Was 7103291) |
| 33 | 7103957 | 1 | WASHER, Hose |
| 34 | 7103804 | 1 | ADAPTOR, Washout Port, WBM |
| 35 | 7103919 | 1 | COUPLING, Hose |
| 36 | 7091546 | 1 | WASHER, 5/8" Internal Tooth Lock YZ (Was 7090880) |
| 37 | 1960716 | 1 | NUT, 5/8-11, NC-2B Black Hex Jam |

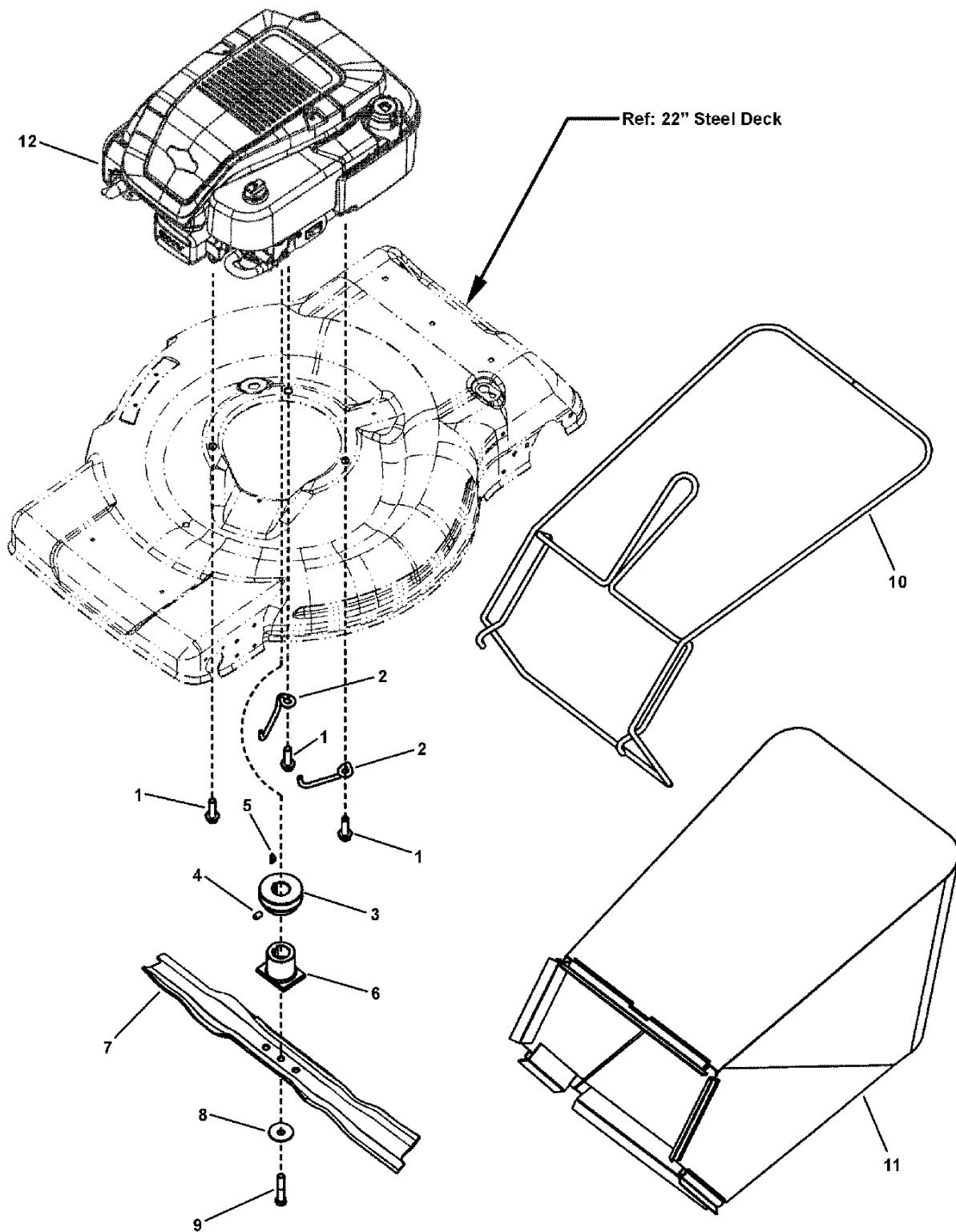
Footnotes:

Wheels Group



| Item | Part No | Qty | Description |
|------|-----------|-----|--|
| 1 | 7091591 | 4 | BOLT, 5/16-18 x 1" Hex Flange Lock, GR 5, YZ |
| 2 | 7103290 | 2 | HOLDER, Bearing, Rear Wheel Drive |
| 3 | 7078243 | 2 | BALL BEARING, Axle |
| 4 | 1931277 | 4 | NUT, 5/16-18 Hex Flange Lock, GR 5, YZ (Was 7091601) |
| 5 | 7100861 | 2 | PIN, Axle |
| 6 | 7101367 | 2 | SHIELD, Dust, 21" WBM, RD |
| 7 | 7014341 | 2 | RETAINING RING, 3.92 EXT. (Waldes #5133-50 or equiv.) |
| 8 | 7100820 | 2 | GEAR, Pinion |
| 9 | 7027999 | 2 | RETAINING RING, .452-.463 ID (Waldes #5100-50 or equiv.) |
| 10 | 7500539 | 2 | ASSEMBLY, Wheel, 9 x 2, Snapper Tread w/Ext Gear (includes ball bearings #7101380, gear #7100914, & screws #7091196) |
| 11 | 722604 | 4 | WASHER, 1" OD x .387 ID, Flat |
| 12 | 7091585 | 4 | NUT, 3/8-16 Hex Center Lock, YZ |
| 13 | 7102507 | 4 | HUBCAP, 8" & 9" Wheel Spoked-Snapper Cool Gray |
| 14 | 724887 | 1 | GRIP, Height-Of-Cut |
| 15 | 7103289 | 1 | LEVER, Spring, Height-Of-Cut |
| 16 | 7900067 | 6 | SCREW, 1/4-20 x .550 Pan Head Self-Tap (Torx) |
| 17 | 7101774 | 2 | SHOULDER BOLT, #10-24 |
| 18 | 7091552 | 2 | WASHER, .219 x .500 x .049 Flat |
| 19 | 7091290 | 2 | NUT, #10-24 UNC-2B Nyloc |
| 20A | 7400259 | 1 | WELDMENT, Rear Crossbar, RWD (used on 7800722 & 7800580 models) |
| 20B | 7400290 | 1 | WELDMENT, Rear Crossbar, EHOC, RWD (used on 7800752 & 7800782 models) |
| 21 | 7103306D | 1 | ROD, Lifter Link, WBM |
| 22 | 7500540 | 2 | ASSEMBLY, Wheel, 8 x 2 Idle, Snapper Tread Snapper Charcoal Gray (includes two ball bearings, p/n 7101380) |
| 23 | 7400306 | 1 | WELDMENT, Front Axle |
| 24 | 7104518 | 4 | BUSHING, Bearing, RWD |
| 25 | 7900078 | 1 | SHOULDER BOLT, 3/8 Dia. (1/4-20 threads) (used on 7800752 & 7800782 models) |
| 26 | 7023914 | 1 | PIN, 1/4 x 1.25" Clevis (used on 7800752 & 7800782 models) |
| 27 | 7023590 | 1 | PIN, 1/4" Cotter, Self-Locking (used on 7800752 & 7800782 models) |
| 28 | 7104245BH | 1 | MOTOR, Electric, HOC (used on 7800752 & 7800782 models) |
| 29 | 7301178 | 1 | BRACKET, Electric Motor (used on 7800752 & 7800782 models) |
| 30 | 7104525 | 2 | SPACER, Shaft, 1/2" |
| 31 | 7301212 | 1 | PLATE, Spacer, EHOC |
| 32 | 1960671 | 2 | SCREW, 1/4-20 x 3/4" Pan Head Self-Tap (Torx) |

Footnotes:



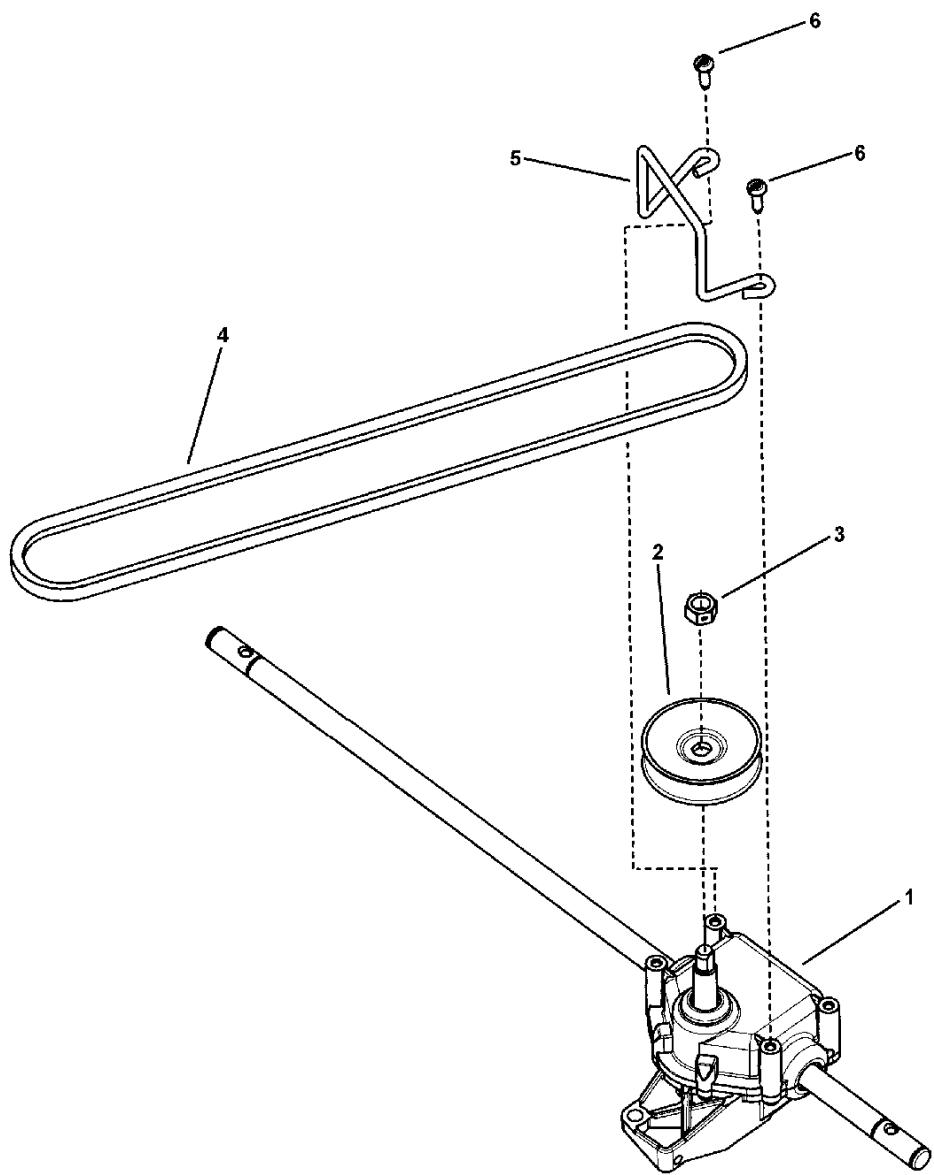
| Item | Part No | Qty | Description |
|-------------|----------------|------------|--|
| 1 | 7900072 | 3 | SCREW, 3/8-16 x 1-1/4" Hex Washer Self-Tap |
| 2 | 7103517 | 2 | BELT GUIDE, Engine |
| 3 | 7100437 | 1 | PULLEY, Engine |
| 4 | 7092086 | 1 | SET SCREW, 5/16-18 x 1/2" Hex Recess |
| 5 | 7091214 | 1 | KEY, #HP-506 Hi-Pro |
| 6 | 7101414 | 1 | BLADE HUB, 21" WBM, Rear Drive, 2 Position |
| 7 | 7103288BZ | 1 | BLADE, Wave, Steel Deck |
| 8 | 7012063 | 1 | WASHER, Cone |
| 9 | 7090167 | 1 | SCREW, 3/8-24 x 2" Hex Head Cap, GR 5 |
| 10 | 7103305A | 1 | BAG FRAME, Rear Discharge (weldment) |
| 11 | 7103375 | 1 | GRASS BAG, 22" Rear Discharge |
| 12 | 12S907-0141-B1 | 1 | * ENGINE, W-14, 875 Series, MY Mower (used on 7800580 & 7800752 models) |
| 12 | 121S07-2116-F1 | 1 | * ENGINE, W-14, 875 Series, MY Mower FC/CAL (used on 7800696 & 7800782 models) |
| 12 | 122S07-0112-B1 | 1 | * ENGINE, W-14, 875 Professional Series (Euro) (used on 7800722) |

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Footnotes:

NOTE: * Purchase engine parts from engine manufacturer dealer.

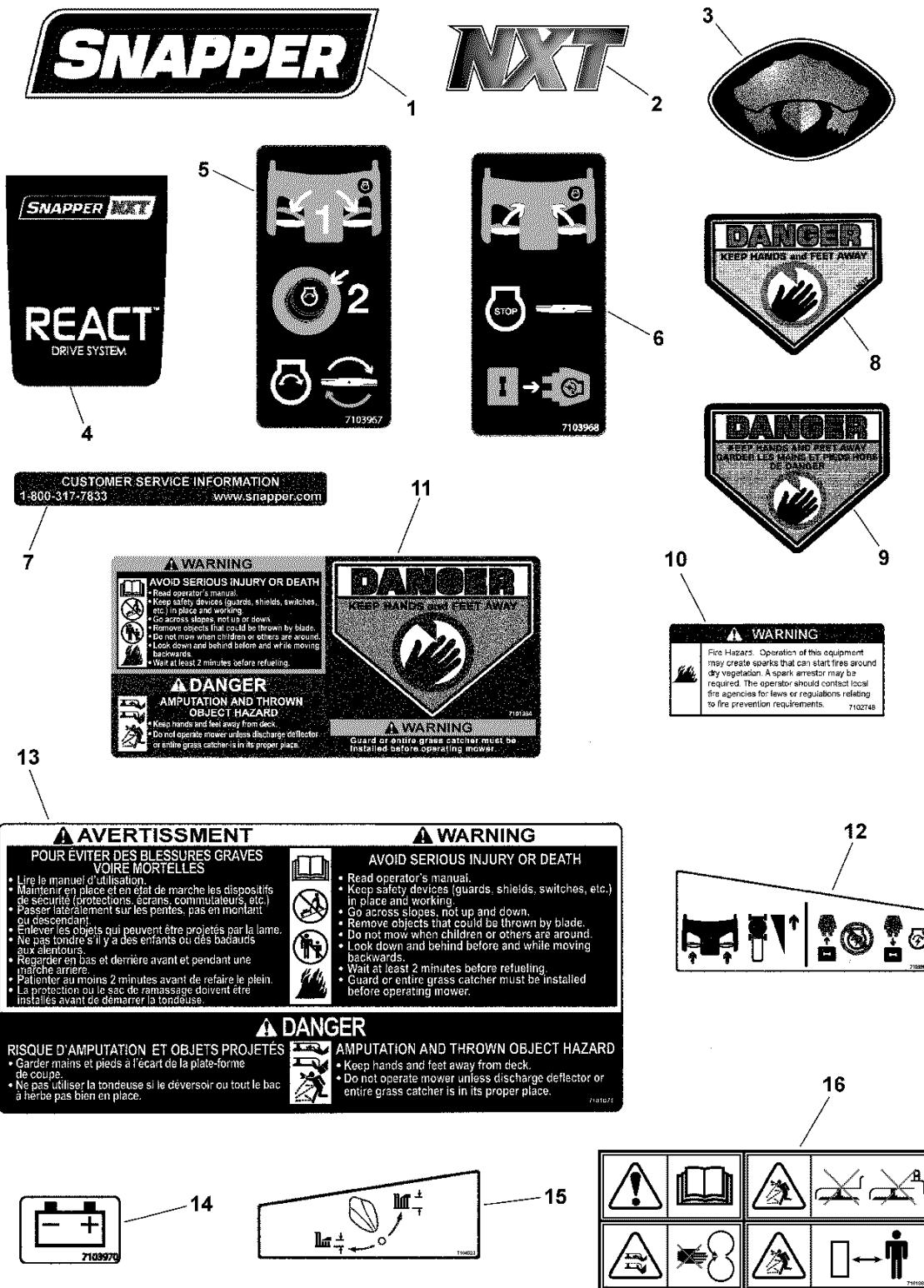
Transmission Group



| Item | Part No | Qty | Description |
|-------------|----------------|------------|--|
| 1 | 7103312 | 1 | TRANSMISSION, Variable Speed, Rear Wheel Drive |
| 2 | 7100240 | 1 | PULLEY, Transmission Variable Speed, LC WBM |
| 3 | 7091585 | 1 | NUT, 3/8-16 Hex Center Lock, YZ |
| 4 | 7103364 | 1 | BELT, 3L, Traction Drive, 22" WBM, RWD (3L Section, 33.83" Effective Length) |
| 5 | 7100863 | 1 | BELT GUIDE, Transmission |
| 6 | 7091195 | 2 | SCREW, #10-16 x 3/4" Pan Head Self-Tap, Combo |

Not for
Reproduction

Footnotes:



| Item | Part No | Qty | Description |
|-------------|----------------|------------|--|
| 1 | 7103963 | 1 | DECAL, Front Shroud, Snapper Logo |
| 2 | 7103964 | 1 | DECAL, Front Shroud, NXT Logo |
| 3 | 7103965 | 1 | DECAL, Handle, Domed Turtle |
| 4 | 7103966 | 1 | DECAL, Handle, React Drive |
| 5 | 7103967 | 1 | DECAL, Start NXT |
| 6 | 7103968 | 1 | DECAL, Stop NXT |
| 7 | 7102275 | 1 | DECAL, Customer Service, MY08, Snapper |
| 8 | 7013010 | 1 | DECAL, Danger, Cut Finger |
| 9 | 7101495 | 1 | DECAL, CPSC, French/English |
| 10 | 7102746 | 1 | DECAL, Arrestor, Spark |
| 11 | 7101394 | 1 | DECAL, Warning, Rear Discharge Door |
| 12 | 7103969 | 1 | DECAL, Key Switch |
| 13 | 7101671 | 1 | DECAL, French/English, WB Safety |
| 14 | 7103970 | 1 | DECAL, Battery |
| 15 | 7104623 | 1 | DECAL, Electric Height-of-Cut |
| 16 | 7101084 | 1 | DECAL, Warning, Euro, Multi-Panel |

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Footnotes:

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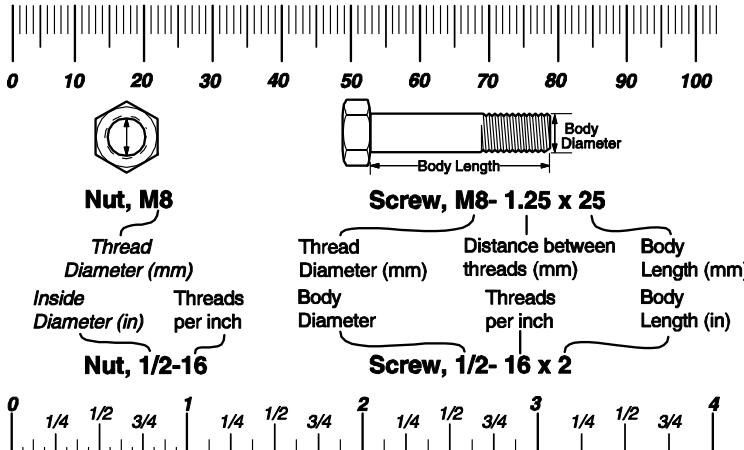
Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$)

| Property Class | 5.6 | | 8.8 | | 10.9 | | 12.9 | |
|------------------|------------------|------|------------------|------|------------------|------|------------------|------|
| | Class 5.6 | | Class 8.8 | | Class 10.9 | | Class 12.9 | |
| Size Of Hardware | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. |
| M3 | 5.88 | .56 | 13.44 | 1.28 | 19.2 | 1.80 | 22.92 | 2.15 |
| M4 | 13.44 | 1.28 | 30.72 | 2.90 | 43.44 | 4.10 | 52.56 | 4.95 |
| M5 | 26.4 | 2.50 | 60.96 | 5.75 | 5.97 | 8.10 | 7.15 | 9.7 |
| M6 | 44.64 | 4.3 | 7.3 | 9.9 | 10.3 | 14 | 12.1 | 16.5 |
| M7 | 5.2 | 7.1 | 12.1 | 16.5 | 16.9 | 23 | 19.9 | 27 |
| M8 | 7.7 | 10.5 | 17.7 | 24 | 25 | 34 | 29 | 40 |
| M10 | 15 | 21 | 35 | 48 | 50 | 67 | 59 | 81 |
| M12 | 26 | 36 | 61 | 83 | 86.2 | 117 | 103 | 140 |
| M14 | 42 | 58 | 101 | 132 | 136 | 185 | 162 | 220 |
| M16 | 64 | 88 | 147 | 200 | 210 | 285 | 250 | 340 |
| M18 | 89 | 121 | 202 | 275 | 287 | 390 | 346 | 470 |
| M20 | 126 | 171 | 290 | 390 | 405 | 550 | 486 | 660 |
| M22 | 169 | 230 | 390 | 530 | 559 | 745 | 656 | 890 |
| M24 | 217 | 295 | 497 | 375 | 708 | 960 | 840 | 1140 |
| M27 | 320 | 435 | 733 | 995 | 1032 | 1400 | 1239 | 1680 |
| M30 | 435 | 590 | 995 | 1350 | 1401 | 1900 | 1681 | 2280 |
| M33 | 590 | 800 | 1349 | 1830 | 1902 | 2580 | 2278 | 3090 |
| M36 | 759 | 1030 | 1740 | 2360 | 2441 | 3310 | 2935 | 3980 |
| M39 | 988 | 1340 | 2249 | 3050 | 3163 | 4290 | 3798 | 5150 |

The guides and ruler furnished below are designed to help you select the appropriate hardware.



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (1.25 thread diameter). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

| Hardware Grade | No Marks | | SAE Grade 2 | | SAE Grade 5 | | SAE Grade 8 | |
|------------------|------------------|-------|------------------|-------|------------------|---------|------------------|-----|
| | | | SAE Grade 2 | | SAE Grade 5 | | SAE Grade 8 | |
| Size Of Hardware | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. |
| 8-32 | 19 | 2.1 | 30 | 3.4 | 41 | 4.6 | | |
| 8-36 | 20 | 2.3 | 31 | 3.5 | 43 | 4.9 | | |
| 10-24 | 27 | 3.1 | 43 | 4.9 | 60 | 6.8 | | |
| 10-32 | 31 | 3.5 | 49 | 5.5 | 68 | 7.7 | | |
| 1/4-20 | 66 | 7.6 | 8 | 10.9 | 12 | 16.3 | | |
| 1/4-28 | 76 | 8.6 | 10 | 13.6 | 14 | 19.0 | | |
| 5/16-18 | 11 | 15.0 | 17 | 23.1 | 25 | 34.0 | | |
| 5/16-24 | 12 | 16.3 | 19 | 25.8 | 29 | 34.0 | | |
| 3/8-16 | 20 | 27.2 | 30 | 40.8 | 45 | 61.2 | | |
| 3/8-24 | 23 | 31.3 | 35 | 47.6 | 50 | 68.0 | | |
| 7/16-14 | 30 | 40.8 | 50 | 68.0 | 70 | 95.2 | | |
| 7/16-20 | 35 | 47.6 | 55 | 74.8 | 80 | 108.8 | | |
| 1/2-13 | 50 | 68.0 | 75 | 102.0 | 110 | 149.6 | | |
| 1/2-20 | 55 | 74.8 | 90 | 122.4 | 120 | 163.2 | | |
| 9/16-12 | 65 | 88.4 | 110 | 149.6 | 150 | 204.0 | | |
| 9/16-18 | 75 | 102.0 | 120 | 163.2 | 170 | 231.2 | | |
| 5/8-11 | 90 | 122.4 | 150 | 204.0 | 220 | 299.2 | | |
| 5/8-18 | 100 | 136 | 180 | 244.8 | 240 | 326.4 | | |
| 3/4-10 | 160 | 217.6 | 260 | 353.6 | 386 | 525.0 | | |
| 3/4-16 | 180 | 244.8 | 300 | 408.0 | 420 | 571.2 | | |
| 7/8-9 | 140 | 190.4 | 400 | 544.0 | 600 | 816.0 | | |
| 7/8-14 | 155 | 210.8 | 440 | 598.4 | 660 | 897.6 | | |
| 1-8 | 220 | 299.2 | 580 | 788.8 | 900 | 1,244.0 | | |
| 1-12 | 240 | 326.4 | 640 | 870.4 | 1,000 | 1,360.0 | | |

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types

Hex Head Capscrew



Washer

Carriage Bolt



Lockwasher

Hex Nut

Wrench & Fastener Size Guide

| | | | | |
|-------------------------------|-------------------------------|-------------------------------|--|------------------------------|
| 1/4" Bolt or Nut Wrench—7/16" | 5/16" Bolt or Nut Wrench—1/2" | 3/8" Bolt or Nut Wrench—9/16" | 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16" | 1/2" Bolt or Nut Wrench—3/4" |
| M6 Bolt or Nut Wrench—10mm | M8 Bolt or Nut Wrench—13mm | M10 Bolt or Nut Wrench—17mm | M12 Bolt or Nut Wrench—19mm | M14 Bolt or Nut Wrench—22mm |

Parts Manual for

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Briggs & Stratton Yard Power Products Group

535 Macon Road
McDonough, GA, 30253 U.S.A.
800-935-2967

www.snapper.com

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Manual No. 7104329
Revision: E 5/13/2011